

ABSTRACT OF THE DISKLOSURE

The present invention discloses a method of detecting orientation of an optical disk drive. Firstly, a first moving distance is measured by using a first force driven on a movable optical pick up head of the optical disk drive for a preset period. Next, a second moving distance is measured by using a second force driven on the movable optical pick up head for the preset period, wherein the second force and the first force have opposite direction but the same amplitude. Next, it is determined that the optical disk drive is horizontal orientation when the difference between the first and second moving distances falls within a pre-determined value. Additionally, a first moving time is measured by using a first force driven on a movable optical pick up head for a pre-determined distance. Then, a second moving distance is measured by using a second force driven on the movable optical pick up head for the pre-determined distance, wherein the second force and the first force have opposite direction but the same amplitude. Next, when the difference between the first and second moving time falls within a pre-determined value, the optical disk drive is horizontal orientation.